

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1046
 SUIT # - 3
 OUTER GARMENT W/FLOAT GEAR - 3
 HELMET # - 2
 GLOVES # - 4
 BOOTS - 2 G/D

FLIGHT DATE 4 Oct. '67
 DON 1005
 DOFF 1525
 TIME IN SUIT 5 + 20
 TECHNICIAN

25X1A

<u>PRESS TO TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>	<u>3 Oct. '67</u> <u>913</u>	<u>102</u>	<u>118</u>
Max Pressure	<u>116</u>	<u>115</u>	<u>1.2</u>
Differential	<u>1.1</u>	<u>400</u>	<u>700</u>
Leak Rate	<u>500</u>		
<u>SYSTEM #2</u>			
Max Pressure	<u>113</u>	<u>120</u>	<u>115</u>
Differential	<u>1.1</u>	<u>116</u>	<u>1.2</u>
Leak Rate	<u>550</u>	<u>400</u>	<u>650</u>
Unpress Leak Rate	<u>450</u>	<u>450</u>	<u>500</u>
Face Heat	<u>19-2</u>		
Commo and Cord	<u>✓</u>		
Pencils	<u>✓</u>		
Knife	<u>✓</u>		
Controller Number	<u>33</u>		
Packet	<u>✓</u>		<u>✓</u>
Grease Zippers	<u>✓</u>		
Check Location of CO ₂	<u>✓</u>		
Pressure Tap Screws		<u>✓</u>	

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1046
 SUIT # 7-3
 OUTER GARMENT W/FLOAT GEAR 7-3
 HELMET # -1
 GLOVES # -6
 BOOTS -1 ad

FLIGHT DATE _____
 DON _____
 DOFF _____
 TIME IN SUIT _____
 TECHNICIAN _____

PRESS-TO-TEST	PRE-FLIGHT	SUBJECT TEST	POSTFLIGHT
<u>SYSTEM #1</u>	<u>9 Oct. 69</u> <u>WB</u>	<u>Seconday</u>	<u>Luix</u>
Max Pressure	<u>113</u>	_____	_____
Differential	<u>1.1</u>	_____	_____
Leak Rate	<u>625</u>	_____	_____
<u>SYSTEM #2</u>			
Max Pressure	<u>117</u>	_____	_____
Differential	<u>1.1</u>	_____	_____
Leak Rate	<u>750</u>	_____	_____
Unpress Leak Rate	<u>450</u>	_____	_____
Face Heat	<u>22-1</u>	_____	_____
Commo and Cord	<u>✓</u>	_____	_____
Pencils	<u>✓</u>	_____	_____
Knife	<u>✓</u>	_____	_____
Controller Number	_____	_____	_____
Packet	_____	_____	_____
Grease Zippers	_____	_____	_____
Check Location of CO ₂	_____	_____	_____
Pressure Tap Screws	_____	_____	_____

Seconday
Luix

PRESSURE SUIT HOOK-UP AND CHECKLIST

1. Packet in pocket.
 2. Stirrups secured.
 3. Communication secured and functioning.
 4. Face heat on (low).
 5. Oxygen hoses secured in QD.
 6. Three harness snaps secured - harness adjusted and surplus stowed.
 7. Kit adjusted and surplus stowed.
 8. Two (2) bailout hoses secured.
 9. Lap belt, shoulder harness, key secured and adjusted.
 10. Oxygen hoses under right leg strap, chest strap under helmet-hold-down.
 11. Emergency oxygen lanyard secured and pin removed.
 12. Red knob secured.
 13. Green apple secured.
 14. Manual over ride handle secured.
 15. Two (2) rocket jet releases secured.
 16. Check face heat.
 17. ~~Heat probe.~~
 18. Press to test both oxygen systems.
 19. Readjust lap belt.
- ~~1 ISIT LANYARD Hooked~~
20. LOW oxygen pressure - #1 system 65170 #2 system 75180.
 21. HIGH oxygen pressure Departing #1 system 9.5 #2 system 9.25.
TIME: 1025
 22. Foot rest guards over seat foot rests.

SUBJECT 1046 AIRCRAFT NUMBER 127
TECHNICIAN DATE OF FLIGHT 4 OCT 67

HIGH oxygen pressure Returning #1 system 8 #2 system 8.5.
TIME: 11515

25X1A

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Pack opening elastics secured.
3. ✓ First stage jettison mated and pins secured.
4. ✓ Two (2) rocket jet units secured.
5. ✓ Manual over ride handle secured.
6. ✓ Green apple secured.
7. ✓ Red knob secured.
8. ✓ Bailout hoses adjusted for pressure suit.
9. ✓ Bailout hose connectors operating.
10. ✓ Harness adjusted for HIGH flight.
11. ✓ Automatic openers - triggered and reset.
12. ✓ Aneroids 1400' to 7500'.
13. ✓ Bailout cylinder pins secured.
14. ✓ Bailout cylinder pressure #1 1800 #2 1800.
15. ✓ Communication cord secured to chute.
16. ✓ Visual inspection completed.

SURVIVAL KIT

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION

1. ✓ Vent secured at disconnect.
2. ✓ Kit secured to chute - loose.
3. ✓ Emergency oxygen lanyard secured to chute and pin installed.
4. ✓ Communication cord secured at disconnect.
5. ✓ Vent hose secured to chute.
6. ✓ Pin secured in QD and safetied.
7. ✓ Oxygen system low pressure #1 80/70 #2 80/70.
8. ✓ Pip pin in "D" ring.
9. ✓ Stirrup cables extended and operating freely.
10. ✓ Foot rest guards over seat foot rest.

SUBJECT 46 AIRCRAFT NUMBER 27.

TECHNICIAN DATE OF FLIGHT 4 Oct 67.

SEAT KIT NUMBER 46 PARACHUTE NUMBER 106.

TYPE CUSHION SBM VENT HOSE NUMBER 60.

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 14 Oct 67 ACFT 27 PILOT TIME IN FLIGHT 4+20 TIME IN SUIT 5+20 PREBREATHING TIME 1:00

SATISFACTORY UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT) ✓
2. SURVIVAL KIT AND CUSHION ✓
3. PARACHUTE 4 Pin #106 ✓
4. HELMET - 2 ✓ ✓
- A. REFLECTIONS ✓
- B. FACE HEAT ✓
- C. COMMUNICATIONS ✓
5. SUIT PROPER - 3 ✓ ✓
- A. CABIN DECOMPRESSION: YES NO
6. OUTER GARMENT - 3 ✓ ✓
7. BOOTS AND SPURS - 2 G.D. ✓
8. GLOVES - 4 ✓
9. OXYGEN SYSTEM ✓

DEPART	RETURN		
TIME	AMT	TIME	AMT

#1	<u>1025</u>	<u>9.5</u>	<u>1515</u>	<u>8</u>
#2	<u>1025</u>	<u>925</u>	<u>1515</u>	<u>8.5</u>

10. MISCELLANEOUS 11. EVALU 25X1A

- A.
- B.
- C.
- D.
- E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Pack opening elastics secured.
3. ✓ First stage jettison mated and pins secured.
4. ✓ Two (2) rocket jet units secured.
5. ✓ Manual over ride handle secured.
6. ✓ Green apple secured.
7. ✓ Red knob secured.
8. ✓ Bailout hoses adjusted for pressure suit.
9. ✓ Bailout hose connectors operating.
10. ✓ Harness adjusted for HIGH flight.
11. ✓ Automatic openers - triggered and reset.
12. ✓ Aneroids 1400' to 7500'.
13. ✓ Bailout cylinder pins secured.
14. ✓ Bailout cylinder pressure #1 1800 #2 1800.
15. ✓ Communication cord secured to chute.
16. ✓ Visual inspection completed.

SURVIVAL KIT

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION

1. ✓ Vent secured at disconnect.
2. ✓ Kit secured to chute - loose.
3. ✓ Emergency oxygen lanyard secured to chute and pin installed.
4. ✓ Communication cord secured at disconnect.
5. ✓ Vent hose secured to chute.
6. ✓ Pin secured in QD and safetied.
7. ✓ Oxygen system low pressure #1 80/70 #2 80/70.
8. ✓ Pip pin in "D" ring.
9. ✓ Stirrup cables extended and operating freely.
10. ✓ Foot rest guards over seat foot rest.

SUBJECT 55 AIRCRAFT NUMBER 31.
TECHNICIAN DATE OF FLIGHT 40c+64.
SEAT KIT NUMBER 55 PARACHUTE NUMBER 125.
TYPE CUSHION 58M VENT HOSE NUMBER 96.

PRESSURE SUIT HOOK-UP AND CHECKLIST

1. ✓ Packet in pocket.
2. ✓ Stirrups secured.
3. ✓ Communication secured and functioning.
4. ✓ Face heat on (low).
5. ✓ Oxygen hoses secured in QD.
6. ✓ Three harness snaps secured - harness adjusted and surplus stowed.
7. ✓ Kit adjusted and surplus stowed.
8. Two (2) bailout hoses secured.
9. ✓ Lap belt, shoulder harness, key secured and adjusted.
10. ✓ Oxygen hoses under right leg strap, chest strap under helmet-hold-down.
11. ✓ Emergency oxygen lanyard secured and pin removed.
12. ✓ Red knob secured.
13. ✓ Green apple secured.
14. ✓ Manual over ride handle secured.
15. ✓ Two (2) rocket jet releases secured.
16. ✓ Check face heat.
- N/A 17. Heat probe. *now*
18. Press to test both oxygen systems.
19. Readjust lap belt.
- BOTTLES UNSNAPPED*
20. LOW oxygen pressure - #1 system 80/78 #2 system 75/70.
21. HIGH oxygen pressure Departing #1 system 9.5 #2 system 9.25.
22. ✓ Foot rest guards over seat foot rests.

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TIME 11:25

SUBJECT 55 AIRCRAFT NUMBER 31.
TECHNICIAN DATE OF FLIGHT 4 Oct 67.

HIGH oxygen pressure Returning #1 system _____ #2 system _____.
TIME

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FULL PRESSURE SUIT TEST LOG

SUBJECT # 1055
 SUIT # -2
 CUTER GARMENT W/FLOAT GEAR -2
 HELMET # -2
 GLOVES # -2
 BOOTS -2 QD

FLIGHT DATE 4 Oct 67
 DON 1000
 DOFF 1245
 TIME IN SUIT 2+45 25X1A
 TECHNICIAN

<u>PRESS TO TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>	<u>30-0e. 67</u> <u>913</u>		
Max Pressure	<u>111</u>	<u>120</u>	<u>115</u>
Differential	<u>1.2</u>	<u>106</u>	<u>1.2</u>
Leak Rate	<u>825</u>	<u>350</u>	<u>850</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>115</u>	<u>120</u>	<u>116</u>
Differential	<u>1.1</u>	<u>106</u>	<u>1.2</u>
Leak Rate	<u>1200</u>	<u>400</u>	<u>900</u>
Unpress Leak Rate	<u>200</u>	<u>300</u>	<u>200</u>
Face Heat	<u>18.0 -</u>	<u>✓</u>	
Commo and Cord	<u>✓</u>	<u>✓</u>	
Pencils	<u>✓</u>	<u>✓</u>	
Knife	<u>✓</u>	<u>✓</u>	
Controller Number	<u>76</u>	<u>76</u>	<u>76</u>
Packet	<u>✓</u>	<u>✓</u>	<u>✓</u>
Grease Zippers	<u>✓</u>	<u>✓</u>	
Check Location of CO ₂	<u>✓</u>	<u>✓</u>	
Pressure Tap Screws		<u>✓</u>	

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TOP SECRET

FROM: Mission Coordinator

30CT 1967

SUBJECT: Mission Alert Notification

TO: (See Below)

Request your attendance at the Commander's Briefing to be held
in the Operations Briefing Room on 30CT 1967 at

1140 L. The briefing concerns the following:

1. Mission Code Name and Number: BX 67Z5
2. Date/Time of Launch (H-Hour): 4 OCT 10210 ZI 1110 L.
3. Ground Spare (H+1:00): 4 OCT 10310 ZI 1210 L.
4. Bases: Takeoff KAD Staging — Landing KAD.
5. Equipment required: TYPE I

25X1A

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6. Ground Spare Requirements: SAME AS PRIMARY

7. Special Instructions/Comments: LAUNCH B/U AIRCRAFT ONLY IF
PRIMARY ABORTS, A-50 ADDITIVE WILL BE USED FOR THIS MISSION

FOR THE COMMANDER

Mission Coordinator

Office	Time(L)	Recipient	Office	Time(L)	Recipient
CMDR			DCOL		
DCO			DCOC/MC		
DCM			DCOMI		
DCS			DCOW		
SECUR			COMMO		
FLT SURG			AFCS		(Notify Only)
DCOM			TIFC(SAC)		(Notify Only)

TOP SECRET

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MC 48224721

* * * TOP SECRET * * *

DCOL CHECK LIST

* DENOTES MANDATORY CALL TO COM AND POST UPON COMPLETION

H-24:00 TO H-23:30: SECURE SUITS, CHUTES, KITS AND VENT UNITS:
DESIGNATE LIFE SUPPORT TECHNICIANS:

ARC 27 - 46 H/C 31 - 55	P	S
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✓ 1110 - 1140

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H-23:30: ATTEND COMMANDERS BRIEFING:.....
 SUBMIT HANGAR ACCESS ROSTER, 5 CYS 1-MC 3-SECURITY 1-DCOL.....
 ✓ 1140

H-22:00 TO H-21:30: COORDINATE WITH INTELLIGENCE AND SURVIVAL PERSONNEL ON
 SURVIVAL AND E&E ITEMS:
 ✓ 1310 - 1340

H-22:00 TO H-17:00: PREFLIGHT:
 BOTH SUITS (EA PILOT).....
 PARACHUTE AND EMERGENCY O2 SYSTEMS.....
 SEAT KIT COMPONENTS.....
 ✓ 1310 - 1810

SUIT ROOM VENT.....
 LOX VENT UNIT.....
 OXYGEN CYLINDERS.....
 TEST EQUIPMENT.....
 TRANSPORT VANS.....

H-20:00: NOTIFY SECURITY, SEAT KIT AVAILABLE FOR PACKING:.....
 ✓ 1510

H-3:00 TO H-1:40: PREPARE PREBREATHING ROOM FOR RECEIPT OF PILOT:.....
 ✓ 0810 - 0930

H-2:00 PERSONALLY CHECK WITH MISSION COORDINATOR AT C.P. TO VERIFY NAMES OF
 PRIMARY AND SPARE PILOTS AND AIRCRAFT:

P	S
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INSTALL SEAT KIT AND PARACHUTE:.....
 ✓ 0910

H-2:00: RECEIVE PACKET FROM INTELLIGENCE.....
 ✓ 0925 - 0940

H-1:45 TO H-1:30: SECURITY INSPECTS SUITS:.....
 ✓ 0930 - 0945

H-1:40 TO H-1:25: FLIGHT SURGEONS MEDICAL IN DCOL:.....
 ✓ 0950 - 0955

H-1:20 TO H-1:10: DRESS PILOT, PRESSURE CHECK EQUIPMENT:.....
 ✓ 0955 - 1000

H-1:10 TO H-1:05: PREPARE FOR PILOT TRANSPORT:.....
 ✓ 1005 - 1010

*H-1:05 TO H-1:00: TRANSPORT TO AIRCRAFT:.....
 ✓ 1010 - 1025

*H-1:00 TO H-0:45: PILOT HOOKUP AND SUIT A/C CHECK:.....
 ✓ 1025 - 1110

H-0:45 TO TAKEOFF: STANDBY IN DCOL AND PACK LOW RECOVERY EQUIPMENT:.....
 ✓ 1050 - 1055

LANDING: REMOVE PILOT, TRANSPORT PILOT BACK TO DCOL, DESUIT PILOT:.....
 ✓ 1055 - 1100

DEBRIEF PILOT, EVALUATE AND CHECK RELIABILITY OF EQUIPMENT:.....
 ✓ 1105 - 1110

POST-FLIGHT EQUIPMENT:.....
 ✓ 1110 - 1125

✓ 1125 - 1210

* * * TOP SECRET * * *